

## Multiplication of Monomials Square Puzzle

Directions: Cut out the squares below. Rearrange these squares back into a 4x4 grid by working a given problem, finding the answer (simplified fully) on a square, and placing the problem and answer on adjacent edges. When all problems have been completed, if your work is correct, then the pieces will fit perfectly to re-form a 4x4 grid. Paste or tape your completed puzzle to a piece of paper.

$16x^4$ $-27x^3y^{12}$ $(-2x^5y^6)^2$ $(6xy^2)(-2x^3y^5)$	$27x^6$ $-3x^3y^{12}$ $(4x^2y)^3$ $(2x^2)(-4x^3)$	$-6x^3y^2$ $-x^3y^5$ $(-3xy^4)^3$ $(3x^2)^3$	$x^2(2x^3)$ $(3x^2y)(4xy^3)(5xy)$
$-8x^5$ $x^3y^9$ $(4x)^2(y^3)$	$-12x^4y^7$ $64x^6y^3$ $-2x^5(y^6)^2$ $(2x^2y)^3$	$2x^5$ $(-xy^2)(x^2y^3)$ $(-3x^2)(6x^5)$	$60x^4y^5$ $(-2x^2)^3$ $(-3x^2y)(2xy)$
$-8x^6$ $(-5xy)(6x^2y^2)$ $(-4x^2)^2$	$9x^6$ $(xy^3)^3$	$8x^6y^3$ $16x^2y^3$ $2(3x)^3$	$-18x^7$ $-3(xy^4)^3$ $(-3x^3)^2$
$-x^6$ $-2x^5y^{12}$ $(6x^7)(-3x^9)$	$-6x^5$ $4x^{10}y^{12}$ $(-x^2)^3$	$-18x^{16}$ $54x^3$	$(2x^2)(-3x^3)$ $-30x^3y^3$

